Date: Sun, 28 Feb 93 04:30:02 PST
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>
Errors-To: Packet-Radio-Errors@UCSD.Edu
Reply-To: Packet-Radio@UCSD.Edu
Precedence: Bulk
Subject: Packet-Radio Digest V93 #54
To: packet-radio

Packet-Radio Digest Sun, 28 Feb 93 Volume 93 : Issue 54

Today's Topics:

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

Date: 27 Feb 93 21:21:56 CST
From: usc!howland.reston.ans.net!spool.mu.edu!tulane!agwbbs!
Angelo_Glorioso_Iii@network.UCSD.EDU
Subject: FILES Wanted
To: packet-radio@ucsd.edu

Hi All,

I am looking for FTP sites for the following files:

R95 - packet compression to ascii converter
7 plus - Same as above but different type
Aplink 7.01 - Amtor packet mailbox
TKC 1.80 - packet Terminal program for F6FBB bbs..

thanks in advance..

-- Via DLG Pro v0.995

Internet:angelo_glorioso_III@agwbbs.new-orleans.LA.US
  Usenet:rex!agwbbs!angelo_glorioso_III
  Packet:N5UXT @ N5UXT.#NOLA.LA.USA.NA
  Tcp/ip:N5UXT.AMPT.ORG [44.108.2.13]

Date: Fri, 26 Feb 1993 17:10:55 +0000
From: pipex!demon!wise.demon.co.uk!simon@uunet.uu.net
Subject: J7nos
To: packet-radio@ucsd.edu

In article <9302240442.AA08827@ucsd.edu> P1782@VMCMS.CSUOHIO.EDU writes:

>I am running the new wg7j nos. I have created a virtual drive E where I keep th
>e nos files, including the autoexec.nos file. When I run the j7nos file (nos.e
>xe) it does not seem to be able to find my autoexec or domain.txt files.
>
>What shoudl the command line be?

try nos -f nos.cfg

you will need to add a file called nos.cfg in which you specify where your
files are. The default is "\".

I run a large domain file in a virtual disk & just have the line
"Dfile = f:\" in my nos.cfg file everything else runs as default.

>
>Is there a comprehensive doc file on this version of nos?(
>
There are many doc's, you should find one for jnos in
/hamradio/packet/tcpip/wg7j on ucsd.edu

Hope this helps

Regards

Simon
--
+------------------+---+
G1FHY	AMPR.NET - g1fhy@hub.g1fhy.ampr.org [44.131.7.128]
Simon Wise	NTS.BBS - g1fhy@gb7hsn.#32.gbr.eu
51 Hamilton Road	INTERNET - simon@wise.demon.co.uk
West Norwood	BT NET - 44-81-766-0120
London SE27 9RZ	

+------------------+--+

Date: 27 Feb 93 12:30:03 GMT
From: news-mail-gateway@ucsd.edu
Subject: Packet-Radio Digest V93 #53
To: packet-radio@ucsd.edu

Packet-Radio Digest   Sat, 27 Feb 93   Volume 93 : Issue   53

Today's Topics:
    ************ KA9Q NOS: NOSview now on ucsd.edu *********
                        Alinco DR1200t at 960
                       Alinco DR1200t at 9600b
             Connecting Kenwood TS-930S for Packet & RTTY
                         Fo-20 TNC Settings?
             INTERNET/JANET connections in UK via packet?
                              J7nos
                         KAM/AA4RE/Desqview
                     SunExpert Magazine Article

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 26 Feb 93 20:03:05 GMT
From: pipex!slxsys!dircon!news@uunet.uu.net
Subject: ************ KA9Q NOS: NOSview now on ucsd.edu *********
To: packet-radio@ucsd.edu

==========================
KA9Q: NOSview RELEASE [304]
==========================
by Ian Wade, G3NRW

NOSview [304] is now available via FTP on

        *

```
        *   ucsd.edu:  /hamradio/packet/tcpip/nosview   *
        * * * * * * * * * * * * * * * * * * * * * * * * *

Download the file:
                     * * * * * * * * * *
                     *                 *
                     *   nosvw304.zip  *
                     *                 *
                     * * * * * * * * * *


NOSview, first introduced in September 1991, is an on-line
documentation and runtime package for the KA9Q Network
Operating System (NOS).  It contains:

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

***  probably the only complete reference work anywhere
     that describes all of the commands to be found in the
     major NOS releases.

***  a TSR file viewer that lets you read the NOSview
     documentation on-line, without breaking out of NOS.

***  NOSgas: the "NOS Get-Away Special"  --  a complete set
     of working NOS runtime software, based on the PA0GRI
     2.0m release.

***  a complete set of templates for the NOS control files.

***  full details on how to get the book "NOSintro", which
     describes in detail how TCP/IP works and how to use
     KA9Q NOS.  Ideal for beginners to TCP/IP (and more
     advanced users will find many gems of helpful
     information there as well).

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++


NOSview [304] contains many new documentation files, and
the template NOS control files match the listings in the
book "NOSintro".

Extras include ....

    UUENCODE/UUDECODE file conversion utilities
    AX.25 Baycom Packet Driver
    KISS protocol documentation
```

HOSTS <> DOMAIN conversion programs
PCElm and ELM Mailers
The Clockwork VIEW TSR file viewer

As NOSVW304.ZIP is quite large (around 700 KB), you may
prefer instead to get your copy by mailing a DOS-formatted
diskette (any size EXCEPT 360 KB) and return mailer to:

Ian Wade, G3NRW
7 Daubeney Close
Harlington
DUNSTABLE
Bedfordshire
LU5 6NF
United Kingdom

Please enclose return postage as follows:

United Kingdom:	UK postage stamps
Rest of Europe:	3 IRCs
The Americas, Africa:	7 IRCs
Rest of the World:	9 IRCs

(Any unused IRCs will of course be returned).

There is no charge for NOSview, so please do NOT enclose
any form of payment.

73 de Ian Wade, G3NRW

February 1993

P.S. If you would like full details of the book
"NOSintro", please email me direct:

ianwade @ dircon.co.uk

--
* *
* Ian Wade | Email: ianwade @ dircon.co.uk. *
* Dowermain Ltd | g3nrw @ dircon.co.uk. *
* 7 Daubeney Close, Harlington, | AX.25: G3NRW @ GB7BIL.#27.GBR.EU *
* DUNSTABLE, Beds LU5 6NF, UK | AMPRnet: g3nrw.ampr.org. 44.131.5.2 *
* *

Date: Sat, 27 Feb 1993 11:11:13 GMT
From: usc!howland.reston.ans.net!agate!iat.holonet.net!n0lqt@network.UCSD.EDU
Subject: Alinco DR1200t at 960
To: packet-radio@ucsd.edu

BR> I have ordered 3 IF filters and the service manual, when they arrive
BR> we will try and set the frequency and see if there is any improvement,
BR> if not we will swap out the filter.

BR> I hope to do this next weekend. I will post the entire escapade
BR> shortly after that.

Hi Bob:

Like you I have come to the conclusion that the problem probably lies in the narrow IF filter. I am going to send them the $18.00 for the filter this weekend and do the install as soon as it arrives. I checked the frequency of the radio with no modulation and found it to be within 70 hz. I never even thought about checking it with modulation. I suppose that comes from doing these things at 2 am! I'm still concerned about the low output from the modem. The path I have to work with is a LONG one. It is 35+ miles to the nearest node and the nearest other 9600 baud station is a good 45 miles. I working off a 70 foot tower so that will help a bit. I look forward to seeing the results of your experiments. If I get mine working (after rechecking the freq.) I'll post you a note about it. I have considered using a LF353N op amp with a gain of about 3 to 4 db to boost the output to a higher level for the radio. The LF353 should be fast enough (13v/mmsec slew rate) to handle the bit train without phase shift. I forgot to ask Tad at MFJ about that and my give them a call before trying it.
Keep in touch! 73.

... In the words of Socrates "I drank WHAT!"
___ Blue Wave/QWK v2.12
--

Seeyaalllaterbye... JoeP.
de N0LQT (Joe Palmer) from Newton, Ks. 67114 On a TCP/IP Network Node

---

Date: 26 Feb 93 19:08:59 GMT
From: sdd.hp.com!spool.mu.edu!howland.reston.ans.net!usc!hela.iti.org!
cs.widener.edu!dsinc!wells!beyonet!steve@network.UCSD.EDU
Subject: Alinco DR1200t at 9600b

To: packet-radio@ucsd.edu

Here is a Alinco 9600 mod that looks like its more difficult but in reality it gets to the root of the problem bypassing the R11 a 220k resistor connected to pin 7 and the varactor diode. The Alinco factory mod says to use the C40 to inject the TX. Well with the 220k resistor there it looks futile with the 9600b TX level not being high enough and distorting at level that is far below the aquired devation. Anyway here is a repost of the mod:

Good Luck, any other added info welcome,
Steve

-----Start Alinco 9600 Mod Repost-----
MSG # TR SIZE TO FROM @BBS DATE TITLE
2904 B# 4663 MODEM DB2OS WW 920702 Alinco DR-1200 for 9600 G3RUH
Forwarding path: WB3EUF KF2AW KB1BD KB4CYC WA2JVM WA2NDV GB7HSN GB7DUG GB7ESX GB7MXM GB7TLH ON1CED ON6AR ON7RC
de DB2OS @ DB0FAU

Date: 25 Feb 93 16:17:57 GMT
From: opel!slc1!vk2bea!michael@uunet.uu.net
Subject: Connecting Kenwood TS-930S for Packet & RTTY
To: packet-radio@ucsd.edu

In article <9302222027.AA24282@hanover-crrel.army.mil> trachier@hanover-crrel.army.mil (Gary Trachier) writes:
>
>I recently bought a used Kenwood TS-930S HF tranceiver. I want to connect it
>to my PK-88 packet TNC. The 930's instruction book does not cover this issue
>at all. Additionally, I want to do RTTY mode with the 930. This subject is
>only mentioned in the manual, but they do not describe what equipment is
>required to connect the 930 to a terminal/computer.

If you ring the Kenwood tech support line, they will send out a technical note on connecting Kenwood tranceivers to TNCs and RTTY modems.
However, my experience with a friend's 440 has taught me that there are better ways to connect them than are described in the tech note. Using the acc2 socket and utilizing the mic-mute is a neater and simpler solution. (You need to isolate the internal PTT line from the mic-mute line by a diode or transistor).

--
Michael Katzmann > Broadcast Sports Technology Inc.
~~~~~~~~~~~~~~~~ < Crofton, Maryland. U.S.A
~~~~~~~~~~~~~~~~

Amateur Radio Stations: >
NV3Z / VK2BEA / G4NYV / AAR3VK < opel!vk2bea!michael@uunet.uu.net

---

Date: 26 Feb 93 11:53:15 EDT
From: swrinde!sdd.hp.com!ncr-sd!ncrcae!ncrhub2!ncrgw2!psinntp!
arrl.org@network.UCSD.EDU
Subject: Fo-20 TNC Settings?
To: packet-radio@ucsd.edu

In rec.radio.amateur.packet, tedwards@eng.umd.edu (Thomas Grant Edwards) writes:
>I'm having a hard time with QSOs to FO-20. Is there some special
>TNC timing parameters that anyone would recommend for using this
>sat?
>

My boss (see P. 47 of the March issue of QST for a wonderfully
hilarious article about FO20) and I are avid FO20 users. And we've
both noticed that connections suffer (mildly) when the bird is higher
(elevation-perspective-wise) and seems to do much better at the beginning
and endings of passes.

Which is fine, because the orbit of FO20 is such that it hangs out
down there for the majority of the pass, and only gets to the
higher elevations on my rotor for tiny portions of the pass.

But to answer your specific question, I find that cranking the
FRACK down to a ridiculously low setting, so that the TNC tries
much more often than it would for terrestrial contacts, works
very well.

And of course, I make the hopefully-valid assumption that you have
your TNC definitely, absolutely, 100% in the FULLDUP ON mode...

| | | Deputy Manager, Field Services, ARRL.
| |___| The ARRL Amateur Radio Emergency Service, the ARRL
| uck | |urder   National Traffic System, The Amateur Auxiliary to
------ | | the FCC's Field Operations Bureau, the ARRL
     KY1T   Field Organization and the ARRL Monitoring System.
----
lhurder@arrl.org   Prodigy - MGTS39A, BIX - ARRL,
   MCI Mail - RPALM, MCI Mail - "ARRL HQ", America On Line - "ARRL HQ"
        Compuserve - 70007,3373 (ARRL HQ) -- Genie ARRL.HQ

Date: 26 Feb 1993 11:52:34 GMT
From: usc!howland.reston.ans.net!agate!doc.ic.ac.uk!warwick!kinguni2!ceres!
ee_b152@network.UCSD.EDU
Subject: INTERNET/JANET connections in UK via packet?
To: packet-radio@ucsd.edu

I'm new to packet but I have read the FAQs...

from what I understood, it is possible to use your radio at home to
connect to the INTERNET (and therefore anywhere else practically) via packet?
If this is the case, is the same also possible in the UK

Date: Sat, 27 Feb 1993 11:11:27 GMT
From: usc!howland.reston.ans.net!agate!iat.holonet.net!n0lqt@network.UCSD.EDU
Subject: J7nos
To: packet-radio@ucsd.edu

 RB> I am running the new wg7j nos. I have created a virtual drive E where
 RB> I keep th e nos files, including the autoexec.nos file. When I run the
 RB> j7nos file (nos.e xe) it does not seem to be able to find my autoexec
 RB> or domain.txt files.
 RB> What shoudl the command line be?

 RB> Is there a comprehensive doc file on this version of nos?(

        Hi Robert:

              Which version of WG7J NOS are you using? The most current
        is version 1.08B which came out on the 24th of this month. If you
        are using anything later than 1.06 I believe there is a command
        line switch to read a configuration file. This is entered thus:

          nos.exe -fE:\stuff\nos.cfg   # or whatever you what to call it.

              The file E:\stuff\nos.cfg could then contain a listing of
        various path and filenames to the different files to read on start
        up. This file can then point to RAM drives and the like. All
        most all of the files and directories can be set from this file
        including the AUTOEXEC.NOS file and DOMAIN.TXT

              You can FTP the latest version from Johan's mini-FTP server
        here on the net. FTP to wg7j.ece.orst.edu and log in as
        anonymous. Look in the "108" directory for the latest version and
        documentation.

... 38x00'N 97x02'W (plate tectonics notwithstanding)
___ Blue Wave/QWK v2.12
--

                                        Seeyaalllaterbye...   JoeP.
 de N0LQT (Joe Palmer) from Newton, Ks. 67114 On a TCP/IP Network Node

----

Date: 27 Feb 93 01:15:14 GMT
From: news-mail-gateway@ucsd.edu
Subject: KAM/AA4RE/Desqview
To: packet-radio@ucsd.edu

Hello net.
I am considering starting using AA4RE on a KAM.
I am running the 5.02 KAM with the TAPR DCD HF and VHF Mod.
I am currently running the HOSTMASTER II+ software.
I am running Desqview 386 on a 386/25 machine.
What do I need to do to get this thing up and running?
What are the little things that I need to do,like turning
on the Desqview switch in the AA4RE package? etc etc etc

Any help and advise would be appreciated.

Thanks

de Roland 7J1AKI@7J1AAA.10.JNET1.JPN.AS
or
ASQP-NBF@ZAMA-EMH1.ARMY.MIL

Date: Fri, 26 Feb 1993 01:25:18 GMT
From: usc!howland.reston.ans.net!atlantis.psu.edu!ems.psu.edu!aaron!
jmr@network.UCSD.EDU
Subject: SunExpert Magazine Article
To: packet-radio@ucsd.edu

In article <H.dfQYgqIAFh6@red.uucp> terry%red@lawton.lonestar.org writes:
>In <1993Feb21.041803.18540@ems.psu.edu>, Joe Reinhardt writes:
>>
>>The most recent (arrived 2/18) SunExpert magazine has a short article
>>on amateur packet radio. I just glanced at the article Friday, but
>>the author (the anonymous "Mr. Protocol") compares the existing ham
>>radio BBS network with Usenet (obviously, a disappointing comparison).
>>
>

>Joe why is it disappointing? I thought they both shared common attributes
>like NOS TCP/IP. What should they have compared amateur packet to, RTTY,
>AMTOR? Would the readers know what they were talking about? Just
>curious why you were disappointed. Regards, Terry
>--

I wasn't disappointed in the article -- in fact I was pleased to see
packet radio getting some nice press. I do think that comparing
the existing packet radio network to Usenet will usually result in a
disappointed P.R. user.   I think the author was correct when he
said that the existing P.R. network more closely resembles the
dial-up BBS world.

I don't recall any reference to TCP/IP or any of the other advanced
networking experimentation going on. For example, I saw no mention of
the (small) group of hams using NNTP to exchange news over packet radio.

I think the readers of SunExpert could relate to TCP/IP, NNTP, RIP, etc...
just as well as they could relate to X.25.

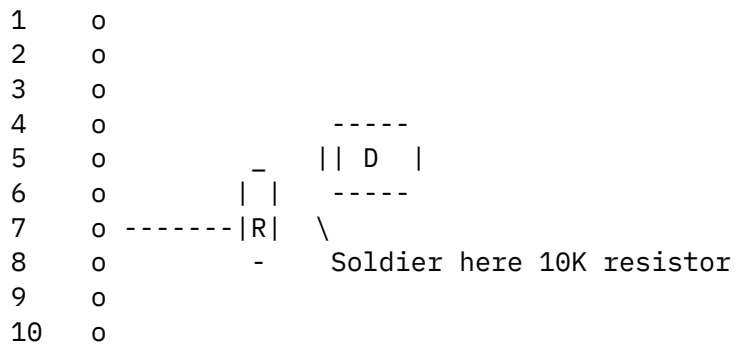
73 - Joe AF2J

Date: (null)
From: (null)
I recently purchased this radio, in the hope of modifying it for 9600 packet
use, as the advertisements mention. Being true fm and not phase modulated,
I thought this radio would be a true performer at 9600 baud. What I didn't
know is that there is no info in the manual on how to hook up the G3RUH modem
to it.

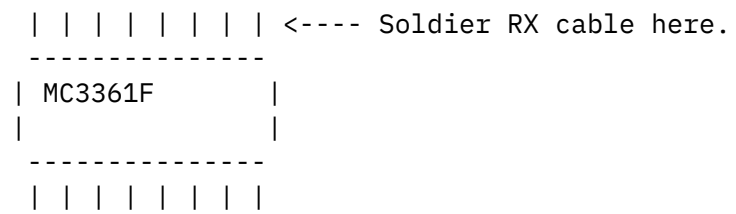
Luckily I bumped into the May 1992 issue of CQ Amateur Radio, and on page 69,
Buck Rogers, K4ABT, describes how to modify the Alinco DR-110T for 9600 baud
use. I was almost sure the dataradio was nothing else than a DR-110T with no
mike, an LED panel, 25w output and a catchy name. Comparing the insides of the
dataradio with the dr-110t mods showed it was the same.

To inject the Tx audio is a bit difficult. The VCO unit is enclosed in a solid
metal case, withe the PC board hidden away.When opening the unit, the VCO is
located to the left side, just behind the VFO knob. You must unsoldier the VCO
unit out of the main board. It is held by its case at 4 points. Under the VCO
unit are 10 pin connectors. These must also be unsoldiered. I used a Radio
Shack desoldering iron, and was a piece of cake to remove.
Once you remove the VCO unit, look at PIn 7 on the soldier side of it.
This pin will go all the way to a surface mounted resistor, and next to it
is the varactor diode. Soldier a 1/4 watt 10K resistor to the junction of
the resistor and the diode. The diode is surface mount, so be very careful.

Then connect the TX audio cable to the other end of the 10k resistor.
K4ABT suggest to use a 4uf non-polarized capacitor after the resitor, but I didnt use it and worked ok.



To get RX audio from the discriminator, locate a PC board sticking up next to the lithium battery backup. behind the volume. You can see at the top a 16 pin surface mount chip, labeled MC3361F. Pin 9 of this chip is the discriminator output. It is also tiny, so be careful.



As all 9600 baud work, USE SHIELDED AUDIO COAXIAL CABLES!

I did the mod, and TX and RX are absolutely perfect. For the price of this radio, it is a great performer.

73's de Ramon (KP4TR)

*** END OF MSG # 2904 from DB2OS @ ON7RC.BT.BEL.EU

----End of repost----
--

Stephen Urich	Internet:steve@zero.com	"Cattle mutilations
NIC: SU2	UUCP:uunet!beyonet!steve	are up!" --Sneakers
ARS: WB3FTP	Packet:WB3FTP@WB3FTP.#EPA.PA.USA.NOAM	ax25<->PBBS<->IPGATE
Bensalem, PA	Radio:wb3ftp@wb3ftp.ampr.org[44.80.8.44]	TCP/IP-FTP-SMTP-UNIX

End of Packet-Radio Digest V93 #53
****

Date: 28 Feb 93 02:37:30 GMT
From: news.encore.com!cser!araichel@uunet.uu.net
Subject: What is best radio to use for 9600 buad?
To: packet-radio@ucsd.edu

     I have seen that people have been having problems using the
Alinco 1200 radio for 9600 baud packet. I would like to get something
up and running someday, and would like to know what other people are using,
so that I could buy something that works right!

     The cheapest radio that I have found that supports Direct FM is
the RAMSEY kit. When an amplifier is added, it is about the same price
as an Alinco 1200. The Hamtronics kits look interesting because they
use helical resonators in the front end! But they are expensive compared
to other radio kits, and are crystal bound to a single channel. I could
accept single channel operation, but would prefere to be able to change
between multiple channels to support PACSAT and terestrial operation.

     So: What radio do you use for 9600 baud operation, and what
radio would be the BEST and why? Which ones need the fewest modifications?
Which ones have the best performance?

Thanks
alan

NAME: Alan Raichel | ICBM: 76 30' W   39 10' N | If the answer seems
EMAIL: araichel@encore.com | CITY: Pasadena, MD | trivial, then you do
CALL: N3IKI | #include <stddisclaimer.h> | not understand the
PACKET: N3IKI@WB3V.MD | | problem!

End of Packet-Radio Digest V93 #54
****